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10/578,409

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EXAMINER

LEBASSI, AMANUEL

ART UNIT

PAPER NUMBER

2617

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/578,409	Applicant(s) DENNERT ET AL.	
	Examiner AMANUEL LEBASSI	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 February 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 13-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer WO 9417644 in view of Foladare et al. US 6014549 and in further view of Lautenschlager US 6571100.

Regarding claim 13, Sawyer discloses method to control the delivery of messages in a telecommunications network using data that are assigned to a subscriber account and a terminal or the identification chip connected to it (**see abstract, where a mobile subscriber is assigned with extension phone service therefore delivery of messages using data that are assigned to a subscriber account**). Sawyer discloses transmitting these assigned data, entirely or in part, approximately synchronously to additional terminals assigned to this subscriber or identification chips connected thereto (**col. 3, lines 11-16, where a plurality of mobile stations which are assigned to a single number receive paging message therefore transmitting these assigned data**).

Sawyer discloses assigning a common paging number to multiple terminals of the subscriber in a database, wherein the database is set up in a central SS7

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routing function, paging control system, and/or in a swapped routing function, signaling element (**col. 3, lines 11-21, where multiple terminals which are assigned with a single directory number receive a paging message therefore assigning a common paging number to multiple terminals of the subscriber in a database**). Sawyer discloses assigning the data to at least one subscriber profile that can be changed by the subscriber via a central administration function (**col. 3, lines 32 – col.4, line 4, where the list is maintained in a database which each mobile station associated with the subscriber number therefore being changed by the subscriber's permission via central administration function**) and enabling the subscriber to activate the telecommunications network service features associated with a terminal or with the identification chip connected to it using a terminal and using conventional functions such that this change acts synchronously on the service features of other terminals or identification chips connected thereto assigned to the subscriber that are stored in the network in that the profile of the terminal is queried and this profile is applied in selecting the active paging terminal (**col. 10, lines 28 – col. 11, line 1 where the interrogation exchange requests the MSCs to page each mobile station in accordance with its MIN/ESN therefore enabling the subscriber to activate the telecommunications network service features associated with a terminal or with the identification chip connected to it**).

Sawyer is silent on where the terminal is queried during the paging step.

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However, Foladare teaches where the terminal is queried during the paging step **(col. 16, lines 57-63 where the paging service, on its own, or in response to a request from the network, may periodically query the pager using a page therefore paging service's query).**

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to modify the inventions of Sawyer and add where the terminal is queried during the paging step. The motivation would be to provide call control **(col. 1, lines 34-39).**

Sawyer discloses assigning the data to at least one subscriber profile that can be changed by the subscriber via a central administration function but is silent assigning the data to at least one subscriber profile that can be changed by the subscriber at the terminal via a central administration function.

Sawyer modified by Foladare are silent where subscriber profile that can be changed by the subscriber at the terminal. However, Lautenschlager teaches where subscriber profile that can be changed by the subscriber at the terminal **(col. 5, lines 31-38 where assigned subscribers change their personal selection profiles at their terminals).**

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to modify the inventions of Sawyer and Foladare and add where subscriber profile that can be changed by the subscriber at the terminal. The motivation would be to have convenience to change the profile manually at the terminal **(col. 1, lines 14-35).**

Regarding claim 14, Sawyer discloses wherein at least one network function/application is assigned to each terminal of the subscriber (**col. 3, line 9-11 where each mobile station having different MINs is assigned with a single subscriber number**).

Regarding claim 15, Sawyer discloses wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central SS7 routing function or the swapped routing function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications (**col. 3, lines 16-21**).

Regarding claim 16, Sawyer discloses wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central SS7 routing function or the swapped routing function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications (**col. 3, lines 16-21**).

Regarding claim 17, Sawyer discloses determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives (**col. 3, lines 13-16 where a paging message to the mobile terminals is sent when a call is received therefore determining the subscriber's contact information when a message arrives**). Sawyer discloses translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function (**col. 3, lines 11-13**) and sending the message out to the corresponding paging number (**col. 3, line 16**).

Regarding claim 18, Sawyer discloses determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives (**col. 3, lines 13-16 where a paging message to the mobile terminals is sent when a call is received therefore determining the subscriber's contact information when a message arrives**). Sawyer discloses translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function (**col. 3, lines 11-13**) and sending the message out to the corresponding paging number (**col. 3, line 16**).

Regarding claim 19, Sawyer discloses determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives(**col. 3, lines 13-16 where a paging message to the mobile terminals is sent when a call is received therefore determining the subscriber's contact information when a message arrives**). Sawyer discloses translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function (**col. 3, lines 11-13**) and sending the message out to the corresponding paging number (**col. 3, line 16**).

Regarding claim 20, Sawyer discloses determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives (**col. 3, lines 13-16 where a paging message to the mobile terminals is sent when a call is received therefore determining the subscriber's contact information when a message arrives**). Sawyer discloses translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function (**col. 3, lines 11-13**) and sending the message out to the corresponding paging number (**col. 3, line 16**).

Regarding claim 21, Sawyer discloses making a delivery status entry in a mobility/profile database in connection with the paging number (**col. 3, line 35- col. 4, line 4 where a list of parameters is maintained in a data base**).

Regarding claim 22, Sawyer discloses making a delivery status entry in a mobility/profile database in connection with the paging number (**col. 3, line 35- col. 4, line 4 where a list of parameters is maintained in a data base**).

Regarding claim 23, Sawyer discloses making a delivery status entry in a mobility/profile database in connection with the paging number (**col. 3, line 35- col. 4, line 4 where a list of parameters is maintained in a data base**).

Regarding claim 24, Sawyer discloses making a delivery status entry in the mobility/profile database in connection with the paging number (**col. 3, line 35- col. 4, line 4 where a list of parameters is maintained in a data base**).

Regarding claim 25, Sawyer discloses making a delivery status entry in the mobility/profile database in connection with the paging number (**col. 3, line 35- col. 4, line 4 where a list of parameters is maintained in a data base**).

Regarding claim 26, Sawyer discloses wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases,

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and to swapped databases (**col. 5, line 6-12 where call is routed according with the call routing decision therefore the changes made by the subscriber are copied to a central routing database**).

Regarding claim 27, Sawyer discloses wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases (**col. 5, line 6-12 where call is routed according with the call routing decision therefore the changes made by the subscriber are copied to a central routing database**).

Regarding claim 28, Sawyer discloses wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases (**col. 5, line 6-12 where call is routed according with the call routing decision therefore the changes made by the subscriber are copied to a central routing database**).

Regarding claim 29, Sawyer discloses wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases (**col. 5, line 6-12 where call is routed according with the call routing decision therefore the changes made by the subscriber are copied to a central routing database**).

Regarding claim 30, Sawyer discloses wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases (**col. 5, line 6-12 where call is routed according with the call routing decision therefore the changes made by the subscriber are copied to a central routing database**).

Regarding claim 31, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network (**See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database**).

Regarding claim 32, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network (**See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database**).

Regarding claim 33, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into

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a central routing database or writing operation codes into the central routing database, depending on the configuration of the network **(See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database)**.

Regarding claim 34, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network **(See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database)**.

Regarding claim 35, Sawyer discloses further comprising setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network **(See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database)**.

Regarding claim 36, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing

database, depending on the configuration of the network (**See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database**).

Regarding claim 37, Sawyer discloses setting up white listing databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network (**See Fig. 5 where white listing databases for activation/ deactivation is set in a central HLR database**).

Regarding claim 38-41, the combination of above discloses executing, each time a query is made at the central SS7 routing function, a white listing function using a white listing database and performing a check to see whether any translation of the common number to the paging number can occur (**see above**).

Regarding claim 42 and 43, Sawyer discloses wherein changes to the paging terminal determined by the subscriber result in signaling of a simulated successful delivery such that all outstanding, waiting paging messages are forced to the new paging terminal as fast as possible and such that the paging

step is repeated approximately synchronously for outstanding messages (**see Fig. 3**).

Regarding claim 44, Sawyer discloses an arrangement of system components of a telecommunication network to carry out a method to control the delivery of messages in a telecommunications network using data that are assigned to a subscriber account and a terminal or the identification chip connected to it (**see abstract, where a mobile subscriber is assigned with extension phone service therefore delivery of messages using data that are assigned to a subscriber account**). Sawyer discloses means for transmitting these assigned data, entirely or in part, approximately synchronously to additional terminals assigned to this subscriber or identification chips connected thereto (**col. 3, lines 11-16, where a plurality of mobile stations which are assigned to a single number receive paging message therefore transmitting these assigned data**). Sawyer discloses means for assigning a common paging number to multiple terminals of the subscriber in a database, wherein the database is set up in a central routing function, paging control system, and/or in a swapped routing function, signaling element (**col. 3, lines 11-21, where multiple terminals which are assigned with a single directory number receive a paging message therefore assigning a common paging number to multiple terminals of the subscriber in a database**). Sawyer discloses means for assigning the data to at least one subscriber profile that can

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be changed by the subscriber via a central administration function (**col. 3, lines 32 – col.4, line 4, where the list is maintained in a database which each mobile station associated with the subscriber number therefore being changed by the subscriber's permission via central administration function**) and means for enabling the subscriber to activate the telecommunications network service features associated with a terminal or with the identification chip connected to it using a terminal and using conventional functions such that this profile change acts synchronously on the service features of other terminals or identification chips connected thereto assigned to the subscriber that are stored in the network in that the profile of the terminal is queried during the paging step and this profile is applied in selecting the active paging terminal when paging is being done to one or more of the connected terminals (**col. 10, lines 28 – col. 11, line 1 where the interrogation exchange requests the MSCs to page each mobile station in accordance with its MIN/ESN therefore enabling the subscriber to activate the telecommunications network service features associated with a terminal or with the identification chip connected to it**). Sawyer discloses databases and data processing units designed such that distribution of service feature data assigned to individual subscribers is made possible (Fig. 4, step 25 and 26) and a routing function, swapped from the telecommunications network, in the form of a signaling element, the signaling element being connected to a central routing

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function (Fig. 4, step 31), and databases being located in the signaling element and/or the central routing function (Fig. 4, step 36),

Sawyer is silent on where the terminal is queried during the paging step. However, Foladare teaches where the terminal is queried during the paging step **(col. 16, lines 57-63 where the paging service, on its own, or in response to a request from the network, may periodically query the pager using a page therefore paging service's query).**

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to modify the inventions of Sawyer and add where the terminal is queried during the paging step. The motivation would be to provide call control **(col. 1, lines 34-39).**

Sawyer discloses assigning the data to at least one subscriber profile that can be changed by the subscriber via a central administration function but is silent assigning the data to at least one subscriber profile that can be changed by the subscriber at the terminal via a central administration function.

Sawyer modified by Foladare are silent where subscriber profile that can be changed by the subscriber at the terminal. However, Lautenschlager teaches where subscriber profile that can be changed by the subscriber at the terminal **(col. 5, lines 31-38 where assigned subscribers change their personal selection profiles at their terminals).**

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to modify the inventions of Sawyer and Foladare and add

where subscriber profile that can be changed by the subscriber at the terminal.

The motivation would be to have convenience to change the profile manually at the terminal **(col. 1, lines 14-35)**.

Regarding claim 45, the combination of above discloses wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central §87 routing function or the swapped routing, function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications (see above).

Conclusion

1. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

2. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Amanuel Lebassi, whose telephone number is (571) 270-5303. The Examiner can normally be reached on Monday-Thursday from 8:00am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Nick Corsaro can be reached at (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

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Amanuel Lebassi

/A. L./

9/21/2010

/NICK CORSARO/

Supervisory Patent Examiner, Art Unit 2617